Multi-State Granule

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Event Trace
Handling Multi-State Granules 4.5.19

- **Scenario Purpose**
  - Demonstrate how granules can be represented in different states by creating multiple ESDTs. This scenario shows how a MISR05 granule awaiting QA and visible only to a select group of users, undergoes a successful quality assurance update and becomes visible to the "general science community." This is accomplished by creating two ESDTs, each representing the granule in a different state, i.e., "awaiting QA" and "QA performed."

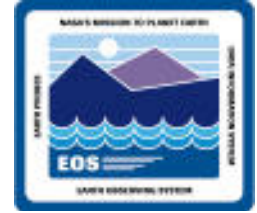- **Scenario Results**
  - The MISR05_QA metadata is created
  - The MISR05 metadata is deleted

- **Design Topics Addressed**
  - Ops Workshop
    - Action Item 10- View of Inventory
  - IDR-B RID #11
  - CDR-B RID #25

Event Trace
Handling Multi-State Granules 4.5.19 (cont.)

- **Preconditions**
    - The MISR05 granule has been inserted and is awaiting QA.
    - Client software has already established a session with SDSRV.
    - Client software has already collected the quality assurance update parameters from the user.
    - Only the MISR05 granule metadata is affected by the QA update; the archived files remain untouched.

- **Events**
    - DsMdMetadata saves the quality assurance update parameters for the granule along with the other metadata belonging to the MISR05 granule.
    - DsMsMISR05_QA instantiates and inserts a new granule into the metadata repository using the ODL stream with the new QA values.
    - DsMdCatalog then deletes the old granule metadata instance from the repository.
    - DsMISR05 updates the status to the server-side request class, DsShRequestReal, where it passes the status to the client.

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